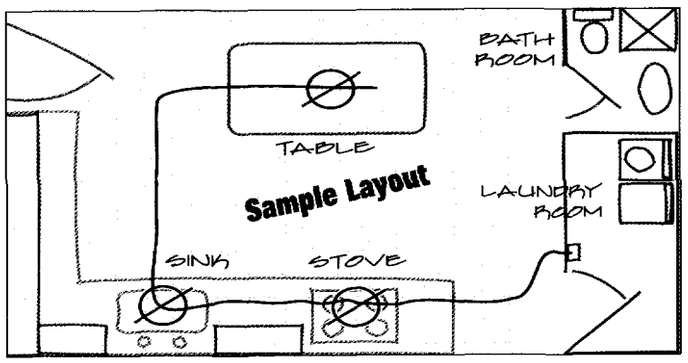
IMPORTANT SAFETY INFORMATION – CAUTION: READ INSTRUCTIONS CAREFULLY BEFORE YOU START. Save These Instructions

This product is intended for use in one and two family dwellings, not to exceed three stories. Proper wiring is essential for safe operation. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code. If you are unfamiliar with methods of installing electrical wiring, secure the services of a qualified licensed electrician. This product is designed for use in 120 volt, 60 hz fused circuits (Power Supply only). Fixtures operate at 12 volts 60 hz AC. Account for all small parts and destroy packing materials, as these may be hazardous to children.

CONTENTS This LiTESPEED kit contains everything neccessary to install a 3-Light, 50 watt low voltage recessed system. 3 Recessed Fixtures 3 Sets Mounting Springs 3 MR-16 50 Watt Light Bulbs 1 Power Supply 1 Fixture Template 1 Remote Dimmer/Switch 1 35' Cable Section 1 Cable End Cap 1 Instruction Sheet

PLANNING

1. Determine your fixture locations. It would be helpful to plan this on graph paper beforehand. *(see sample layout)*
2. Check to insure that the cable supplied (35') will reach your fixture locations. Don't forget to allow for vertical runs up the wall and an extra 12" of cable past the last fixture. Longer runs of LiTESPEED cable are available from the store where you purchased this kit.
3. Determine the Power Supply location. The Power Supply must be located within 6 feet of an electrical outlet.
4. Mark the fixture locations. Make sure there are no obstructions behind the ceiling materials such as studs, pipes, wires, etc.



CABLE INSTALLATION

1. Cut a 4" diameter hole at the predetermined fixture location. *(see figure 1)* There is a 4" diameter template provided.
2. Drill a 1" hole in the ceiling...make sure to allow 1-1/4" from the edge of the nearest wood framing member. *(see figure 1)*
3. Run cable from the Power Supply to the fixture openings. Make sure that at least 12" of cable extends past the last opening. **Do not connect cable to Power Supply at this time.** *(see figure 1)*
4. Pull cable through each opening approximately 3 inches as shown. *(see figure 2)*

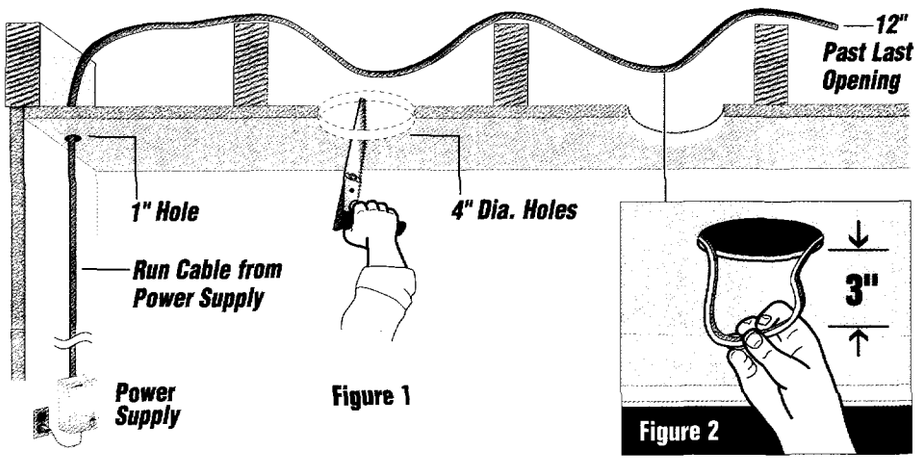


Figure 1

Figure 2

FIXTURE INSTALLATION

1. Install 3 mounting springs to each fixtures as shown. *(see figure 3)*
2. Connect the cable to the fixtures by placing the cable into the fixture top as shown. *(see figure 4)*
3. Screw cap tightly to make electrical connections. *(see figure 5)*
4. Align fixture angle and direction before placing fixture into the opening.
5. Compress springs and insert each fixture into opening. *(see figure 6)*
6. Insert light bulb and adjust fixture to desired angle.

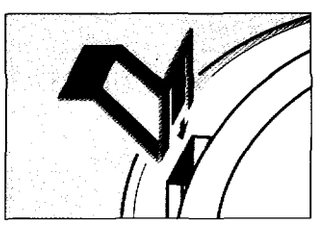


Figure 3

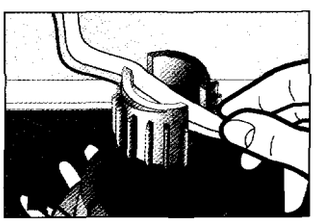


Figure 4

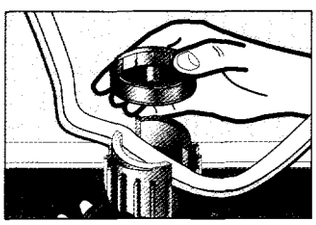


Figure 5

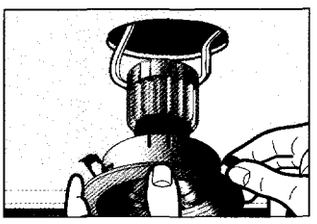


Figure 6

POWER SUPPLY INSTALLATION

Follow instructions included in the Power Supply box.

REMOTE DIMMER/SWITCH INSTALLATION

Follow instructions included in the Remote Control box.

NATIONAL ELECTRICAL CODE REQUIREMENTS

1. Where exposed, NM cable should closely follow the building surface and be protected from physical damage (336-6).
2. NM cable should be secured in place at intervals not exceeding 4-1/2 feet by staples, cable ties, straps, or similar fittings designed and installed as to not damage the cable. The cable is considered supported and secured at any point where it passes through a hole in wood or metal joists, rafters or studs (336-18).
3. Bends in the cable should be limited so that the radius of the curve of the inner edge is not less than five (5) times the cable diameter (336-16).
4. Where passing through floors, the cable should be enclosed in rigid piping extending at least 6 inches above the floor (336-6 (b)).
5. In accessible attics, NM cable should be protected by guard strips where it passes within 6 feet of the attic access, if run over or across the face of rafters or joists (336-6 (d) and 333-12 (a)).
6. Where NM cable passes through holes in walls or ceilings, such holes must be a minimum 1-1/4 inches from the edge of the nearest wood framing member where nails or screws are likely to penetrate. Where such spacing cannot be maintained, a steel plate or equivalent 1/16 inch thick sleeving must be provided (300-4).

The Power & Light Co.